

EXECUTIVE SUMMARY

Trend of Hydro-Thermal Mix as on 31.12.2015

Hydro:	42,623.42 MW	(17.26%)
Thermal:	1,98,484.44 MW	(80.40%)
Nuclear:	5,780.00 MW	(02.34%)

Hydro Capacity Under Execution (As on 31.12.2015): A hydro capacity of **13,662 MW** is under execution to give benefits during remaining period of 12th Plan & beyond. Sector wise details are given as under:-

Sector	Capacity (MW)
Central	7275
State	1832
Private	4555
Total:	13,662 MW

12th Plan Hydro Capacity Addition as Plan Progress:-

Hydro Capacity Addition for the Year 2012-13: Hydro Capacity Addition Monitorable Targets for the Year 2012-13 was **802 MW** (645 MW in Central Sector, 87 MW in State Sector, and 70 MW in Private Sector.). A Capacity of **501 MW** (374 MW in Central Sector, 57 MW in State Sector and 70 MW in Private Sector) has been achieved during 2012-13. Project-wise details are given in Chapter 2.2a.

Hydro Capacity Addition for the Year 2013-14: Hydro Capacity Addition Monitorable Targets for the Year 2013-14 is **1198 MW** (914 MW in Central Sector, 85 MW in State Sector and 199 MW in Private Sector.). A Capacity of **1058 MW** (914 MW in Central Sector, 45 MW in State Sector and 99 MW in Private Sector) has been achieved during the year 2013-14. Project-wise details are given in Chapter 2.2b.

Hydro Capacity Addition for the Year 2014-15: Hydro Capacity Addition Monitorable Targets for the Year 2014-15 is **842 MW** (336 MW in Central Sector, 210 MW in State Sector and 296 MW in Private Sector.). A Capacity of **736 MW** in Central Sector has been achieved during the year 2014-15. Project-wise details are given in Chapter 2.2c.

Hydro Capacity Addition for the Year 2015-16: Hydro Capacity Addition Monitorable Targets for the Year 2015-16 is **1691 MW** (590 MW in Central Sector, 575 MW in State Sector and 526 MW in Private Sector) A Capacity of **1356 MW** (400 MW in Central Sector 530 MW in State Sector and 426 MW in Private Sector) has been achieved during the year 2015-16 up to **31.12.2015**. Project-wise details are given as under:-

Hydro Projects Monitorable Target for 2015-16

Sl. No.	Particular	Unit Nos.	Cap. (MW)	Commissioning as programmed	Actual(A)/ Anticipated	Remarks
A.	Central Sector					
1	Koldam NTPC, HP 4x200= 800 MW	Unit # 3 Unit # 4	200 200	4/15 5/15	10.04.2015(A) 12.06.2015(A)	
2	Teesta Low Dam IV NHPC, West Bengal 4x40 = 160 MW	Unit # 1 Unit # 2	40 40	2/16 3/16	Feb 16 Mar 16	
3	Pare NEEPCO, Arunachal Pradesh	Unit # 1 Unit # 2	55 55	3/16 3/16	2016-17 2016-17	Coffer dam over toppled in June, 15. Work on Dam started w.e.f. Oct' 15

	2x55=110 MW					after dewatering the area.
	Sub- total (A):		590			
B.	State Sector					
4	Baglihar - II JKPDC, J&K 3x150= 450 MW	Unit # 1 Unit # 2 Unit # 3	150 150 150	9/15 9/15 2016-17	05.09.2015(A) 29.09.2015(A) 26.10.2015(A)	Unit 3 Commissioned ahead of Programme.
5	Kashang – I HPPCL, H.P. 1x65=65 MW	Unit # 1	65	3/16	3/16	
6	Lower Jurala TSGENCO, Telangana 6x40= 240 MW	Unit # 1 Unit # 2 Unit # 3 Unit # 4	40 40 40 40	7/15 8/15 9/15 10/15	14.10.2015(A) 30.09.2015(A) 01/16 02/16	
7	Nagarjuna Sagar TR APGENCO, AP 2x25=50 MW	Unit # 1 Unit # 2	25 25	7/15 7/15	Likely to slip to 2016-17	Unit 1 & 2 could not be commissioned due to non- availability of water.
	Sub- total (B):		575			
C.	Private Sector					
8	Sorang HSPCL, H.P. 2x50 = 100 MW	Unit # 1 Unit # 2	50 50	6/15 6/15	2016-17 2016-17	Penstock rupture occurred during the Commissioning of Unit 2, hence Slipping to 2016-17.
9	Srinagar AHPCL, Uttarakhand 4x82.5=330	Unit # 1 Unit # 2 Unit # 3 Unit # 4	82.5 82.5 82.5 82.5	4/15 4/15 5/15 6/15	10.04.2015(A) 08.06.2015(A) 20.04.2015(A) 03.06.2015(A)	
10	Jorethang Loop DANS Pvt. Ltd., Sikkim 2x48= 96 MW	Unit # 1 Unit # 2	48 48	9/15 10/15	22.09.2015(A) 23.09.2015(A)	
	Sub- total (C):		526			
	Total (A+B+C)		1691			
	Note: 1356 MW out of 1691MW is Commissioned.					